Polaris Nominees Pty Ltd ACN 005 089 207 trading as

UES Promura
ENGINEERING & INDUSTRIAL SOLUTIONS
ESTABLISHED 1966

ABN 55 155 859 127

10 – 12 McWilliam Street Springvale Vic 3171

**Telephone: (03) 9547 5833** Fax: (03) 9548 1537

Web Address: www.uespromura.com.au
Email: sales@uespromura.com.au

# SAFETY DATA SHEET

## Not classified as hazardous according to criteria of Worksafe Australia

### 1. Product Identification

| | | |
|---|---|---|
| Trade Name | : | **Absorbent 5000** |
| Chemical Name | : | Attapulgite, Palygorskite |
| Family Name | : | Fullers Earth Mineral Group |
| Formulation | : | $([OH_2]_4[OH]_2\ Mg_3\ Si_8\ O_{20}\ 4H_2O)$ With partial replacement of Magnesium by Calcium, Aluminium and Iron |

### 2. Product Ingredients

| *Cas No.* | *Chemical Name* |
|---|---|
| 12174-11-7 | Hydrated Magnesium Silicate as a complex clay mineral known as Attapulgite, Palygorskite. |

The following analyses do not exist as free items but as part of the above complex :

| | | |
|---|---|---|
| Silicon Dioxide | - | 59.8% |
| Aluminium Oxide | - | 12.6% |
| Magnesium Oxide | - | 5.6% |
| Iron Oxide | - | 4.0% |
| Calcium Oxide | - | 2.1% |
| Potassium Oxide | - | 1.8% |
| Other Oxides | - | 2.0% |
| Loss on Ignition | - | 12.1% |

### 3. Physical Properties

| | | | |
|---|---|---|---|
| *Appearance* | : | Granules, Powder | |
| *Colour* | : | White to buff/grey | |
| *Solubility in Water* | : | Almost insoluble | |
| *Specific Gravity* | : | True SG | 2.3 – 2.7 |
| | | Apparent SG | 0.5 – 0.7 |
| *Percent Volatile* | : | Nil | |
| *Boiling Point* | : | Does not boil | |

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**SAFETY DATA SHEET – Absorbent 5000** (cont.)

## 4. Flammability and Explosive Properties

Material is non-flammable and non-explosive.

## 5. Storage and Reactivity

| | | |
|---|---|---|
| *Stability* | : | *Stable* |
| *Storage* | : | *Dry general storage* |
| *Reactivity* | : | *Inert* |
| *Hazardous Polymerisation* | : | *Does not occur* |
| *Shelf life* | : | *Indefinite* |

## 6. Health Hazard Data

| *Condition* | Physical Effects | Treatment |
|---|---|---|
| Product in Eye | Physical irritation | Irrigation |
| Product inhaled | None in moderation | None |
| Product on skin | None | None |
| Product ingested (Pharmaceutical grades used as a diahorrea cure) | None | None |

## 7. Spillage and Disposal Procedures

| | |
|---|---|
| *Spill or Leak* | Sweep up and repack |
| *Waste Disposal* | Landfill (in unused state) |

## 8. Handling Information

| | |
|---|---|
| *Respirator Protection* | Normally nil but if likelihood of dust generation, respirator advisable |
| *Goggles* | Advisable |
| *Gloves* | Not required |
| *Clothing* | No specific protection needed |
| *Ventilation* | Natural ventilation sufficient |

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## 9. User Precautions

As indicated above, Attapulgite Absorbent requires minimal precautions while being handled or disposed of in its original form, or when used to absorb other non-hazardous substances. However, where Attapulgite is used to absorb hazardous substances or materials, the user must ensure that appropriate handling and disposal procedures are adopted in accordance with Worksafe Australia and EPA requirements.

## 10. Storage after usage Precautions

Particular care should be taken when storing the mixture of Attapulgite and other substances where the absorbed substance has a risk of spontaneous combustion after being absorbed by a porous medium. Such substances include, but are not limited to, linolenic, linoleic and oleic fatty acids such as tall (pine) oil, linseed oil and other liquids known to contain substantial proportions of these substances. Where such substances are to be absorbed, advice should be sought from the substance supplier in respect to the storage and disposal of the resultant mixture.

This information is provided in good faith and is believed to be correct. UES Promura accepts no responsibility as to its completeness or accuracy and it is supplied on the condition that the receiver will determine its suitability for the purpose. No liability is accepted for any inaccuracy or for loss, injury or damage arising from the use of the above information.